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NOTICE OF ALLOWANCE AND FEE(S) DUE

29683

7590

01/11/2010

HARRINGTON & SMITH, PC 4 RESEARCH DRIVE, Suite 202 SHELTON, CT 06484-6212 EXAMINER

TRAN, PABLO N

ART UNIT PAPER NUMBER

2618

DATE MAILED: 01/11/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/005,766	11/02/2001	Antti Ruha	872.0100.U1(US)	7390	

TITLE OF INVENTION: MULTI-MODE I/O CIRCUITRY SUPPORTING LOW INTERFERENCE SIGNALING SCHEMES FOR HIGH SPEED

DIGITAL INTERFACES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$1510	\$1510	04/12/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

indicated unless correct maintenance fee notifica	ed below or directed oth	nerwise in Block 1, by (a	a) specifying a new c	orres	spondence address;	and/or	r (b) indicating a sepa	rate "F	EE ADDRESS" for
	ENCE ADDRESS (Note: Use Bl		Fee((s) Transmittal. Thi ers. Each additiona	is certif I paper	g can only be used for icate cannot be used for the such as an assignmental iling or transmission.	or any o	other accompanying	
29683		/2010			Cer	tificate	e of Mailing or Trans	mission	1
HARRINGTO 4 RESEARCH I SHELTON, CT			I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.						
									(Depositor's name)
									(Signature)
				L					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONI	FIRMATION NO.
10/005,766	11/02/2001	•	Antti Ruha			8	72.0100.U1(US)		7390
TITLE OF INVENTIO DIGITAL INTERFACE) CIRCUITRY SUPPOI	RTING LOW INTER	RFER	RENCE SIGNALI	NG SC	CHEMES FOR HIGH	I SPEE	ED
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$0		\$1510		\$1510		04/12/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	S	\neg				
TRAN, P	ABLO N	2618	455-078000		•				
☐ "Fee Address" ind	ondence address (or Cha 3/122) attached. ication (or "Fee Address)2 or more recent) attach	nge of Correspondence	2. For printing on (1) the names of to a gents OR, alter (2) the name of a registered attorney 2 registered patent listed, no name wi	ip to rnativ single or a	3 registered patent wely, e firm (having as a agent) and the nam rneys or agents. If	t attorr membes of u	per a 2		
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ' ified below, no assignee oletion of this form is NO	data will appear on t T a substitute for filing (B) RESIDENCE: (C	he pag an	atent. If an assign assignment. 'and STATE OR C	COUNT	TRY)		_
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	up enti	ty Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
5. Change in Entity Sta	tus (from status indicated s SMALL ENTITY state		☐ b. Applicant is no	lone	ger claiming SMAI	LEN	ΓΙΤΥ status. See 37 CF	7R 1 27	(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte	d from anyone other th						
interest as shown by the	records of the United Sta	tes Patent and Trademark	COffice.						
Authorized Signature					Date				
Typed or printed name					Registration N	lo			
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the e Chief Information C COMPLETED FORM	n or r is est indiv Office IS TO	retain a benefit by t imated to take 12 i ridual case. Any co er, U.S. Patent and D THIS ADDRESS	he publ minutes omment Traden S. SENI	lic which is to file (and s to complete, including to on the amount of tinark Office, U.S. Dept D TO: Commissioner to	by the g gathe ne you artment for Pate	USPTO to process) ring, preparing, and require to complete of Commerce, P.O. ints, P.O. Box 1450,

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HARRINGTON	& SMITH, PC		TRAN, PABLO N			
4 RESEARCH DR			ART UNIT	PAPER NUMBER		
SHELTON, CT 06	6484-6212	2618				
		DATE MAILED: 01/11/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 965 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 965 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/005,766	RUHA ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Pablo N. Tran	2618		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due co	ourse. THIS	
1. This communication is responsive to <u>07/24/09</u> .				
2. The allowed claim(s) is/are <u>1-24 and 39-54 re-numbered 1</u>	<u>-40</u> .			
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 	nder 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have 	e been received.			
2. Certified copies of the priority documents have	e been received in Applicat	ion No		
3. Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage applicatio	on from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requ	irements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date	-	(
(b) ☐ including changes required by the attached Examiner'		or in the Office action of		
Paper No./Mail Date	o / unionamone / commone v	or in the emoc determen		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ack) of	
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			te the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),		
	Paper No	./Mail Date .		
3. Information Disclosure Statements (PTO/SB/08),	7. 🗌 Examiner'	s Amendment/Comment		
Paper No./Mail Date 4.	_	s Statement of Reasons for Allow	ance	
9. Dther				
/Pablo N Tran/				
Primary Examiner, Art Unit 2618				

Application/Control Number: 10/005,766 Page 2

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DETAILED ACTION

Allowable Subject Matter

1. The following is a statement of reasons for the indication of allowable subject matter:

The Applicant 's response, July 24, 2009, have clearly stated the inventive steps of the present invention.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pablo Tran whose telephone number is (571)272-7898. The examiner normal hours are 9:30 -5:00 (Monday-Friday). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571)272-7899. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.
- 4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) System. Status information for

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Art Unit: 2618

Published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-directauspto.gov. Should

You have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (in USA or CANADA) or 571-272-1000.

November 23, 2009

/Pablo N Tran/

Primary Examiner, Art Unit 2618